

## District Technology Plan (2009-2012)



The School District of Marlboro County  
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## District Profile

Number of schools in district	9
Number of students enrolled	4,559
Percentage of students eligible for free and reduced lunches	86.33%
Number of English as a Second Language (ESL) students	24
Number of dropouts	57
Graduation rate	88.76%
District E-rate discount	90%

## **Acknowledgements**

The following individuals contributed their time and efforts into helping this plan become a reality. The Technology Department would like to recognize their significant role in helping guide Marlboro County Schools toward creating a technology environment which will enrich the educational experience for students and staff and help open the metaphoric doors toward tomorrow.

David DeWeese

District Technology Coordinator

James Toole

Director of Operations

Virginia McCraw

McColl Elementary Middle School Media Specialist

Ephraim (Sonny) Fields

District Network Specialist

Butch Mills

Marlboro County Economic Director

Area Businesses

Participation in business survey

## **District Mission Statement**

The mission of the School District of Marlboro County is to develop productive citizens who are life long learners by providing a highly qualified staff and an effective instructional program in a safe and positive learning environment.

## **Marlboro County Technology Services Department Mission Statement**

The mission of the School District of Marlboro County Technology Services Department is to provide and maintain a technical infrastructure and provide necessary training so that technology of all types and levels can be used to assist students in becoming a successful part of our global future.

## **Vision Statement for the Office of Technology**

Educational technology will be used to bridge equity gaps among our diverse student population by:

- Enabling the curriculum to be fully integrated
- Allowing for global experiences and learning
- Providing an outlet for higher order thinking and reasoning skills
- Allowing our students to become competitive in the job market

## **Local Business Survey and Mandate**

In August of 2007, County Economic Director Butch Mills distributed, managed, and collected a technology questionnaire for local businesses. The questionnaire was designed to determine current business technology use, the number of employees utilizing technology, how technology affected their profit margin, and whether or not the businesses planned to increase usage of technology through acquisition of more equipment and by hiring more employees.

Although a number of businesses did not participate, enough did participate in order to determine both trends in technology and a mandate from the business community to the school system. Questions included querying the types of technology used, how technology affected profitability, the number of employees using technology on a regular basis, type of network, plans on technology expansion, judging the local workforce's ability to meet the business's needs, and a specific inquiry as to what technology skills the local schools need to provide its graduates.

With a unanimous accord, businesses felt the use of computers was very important for profitability. There was a slight decline in how the Internet was seen affecting profitability. Only 80% of the businesses said the Internet was very important. 20% of the businesses polled indicated that the Internet was important. None indicated that the Internet was not important.

Current computer usage seemed of importance. 80% of the businesses surveyed said they used 51 or more computers. 20% reported having computers in the range of 16-50. The amount of employees per computers was roughly identical. All of the businesses reported some sort of network established. Each business reported plans to increase and expand its software, hardware, and technology usage within the next five years. These businesses also planned to expand their workforce dedicated to utilizing technology.

When asked if the local workforce was adequately adept with technology skills to meet their business's needs, the unanimous answer was no. Obviously, Marlboro County Schools needs to concentrate upon answering this mandate from its local businesses.

Upon being asked specifically for technology skills needed from Marlboro County School System graduates, answers varied from the ability to read and write SQL to the ability to handle all Microsoft Office products, as well as be able to perform basic PC hardware maintenance.

A clear mandate has been given Marlboro County Schools. The community has spoken loudly that our graduates need preparation in technology skills which are seen as vitally important to business's bottom financial lines. In order to meet this mandate, Marlboro County Schools must plan accordingly. What follows is the district's plan to meet the challenge Marlboro County businesses have proffered.

## 2007—2008 Technology Plan Checklist

	Accomplished	Not Accomplished	Comments
Teacher Technology Proficiency	<input checked="" type="checkbox"/>	<input type="checkbox"/>	85 teachers were certified in 2007-2008. This more than adequately fulfilled the 20% goal. There is a tech proficiency database in place.
Future Network Software	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The decision was made to go with Microsoft. The migration process began in May.
District Policy for Hardware and Software Purchases	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Since Technology was able to relocate to a more suitable location, this policy was pushed aside until after the migration was complete. The differing network operating system would render a specific policy obsolete.
District Network Hardware Replacement	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not applicable during this time period. More will be done with this in the 2008-2009 school year.
School Technology Plans	<input type="checkbox"/>	<input checked="" type="checkbox"/>	This process will be completed during the 2008-2009 school year.
Recycle Plan for Disposing Old Computers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The recycling plan is fully implemented as stated.

Facility Update	<input checked="" type="checkbox"/>	<input type="checkbox"/>	In June of 2008, the Technology Department relocated to the DELC Center. All problems were addressed with this move.
Tech Person for Each School	<input type="checkbox"/>	<input checked="" type="checkbox"/>	We made progress. Between Davida and myself, we have enough coverage for now.
Security	<input type="checkbox"/>	<input checked="" type="checkbox"/>	We applied for this in 2007-2008. We have not heard from eRate as of November 6, 2008.
Converting Analog System	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Again, we are waiting for a vendor change approval from eRate.
SASI Training	<input type="checkbox"/>	<input checked="" type="checkbox"/>	I did not do a good job with this 2007-2008.
Network Technicians	<input checked="" type="checkbox"/>	<input type="checkbox"/>	We currently enjoy support from CSI.
Computer Repair Technicians	<input checked="" type="checkbox"/>	<input type="checkbox"/>	It is my opinion that both Doug and Dustin adequately support the District's needs.
More Interaction between the Community and the Technology Department	<input checked="" type="checkbox"/>	<input type="checkbox"/>	With Channel 22 announcements and the District website, this has been met.



Comments:

**Teacher Technology Proficiency:**

I believe this department has done an excellent job of working on this particular tech plan item. 85 teachers gained their tech proficiency last year. Early in October of this year, letters were sent to each teacher not tech certified, outlining within the letter the different avenues a teacher could choose in order to obtain his/her tech proficiency. So far, the response has been tremendous. Davida Jenkins has been a wonderful asset and addition to our department. I cannot stress enough just how well she is doing. If anything, she makes a far finer tech coach than I ever did.

**District Policy for Hardware and Software Purchases:**

I put this on hold until well after the smoke clears from the migration. Changes made by the migration need to be analyzed fully before planning and implementing such a policy.

**School Technology Plans:**

This was implemented around the first of September, 2008. Schools were given guidelines. They were to appoint a committee by the end of September, prepare a complete inventory of technology components valued over \$500.00 by the end of October, and use that and guidelines within the District Technology Plan to create their own plan by the first of 2009. So far, most schools are doing what is expected.

**SASI Training:**

In between writing the 2007 Tech Plan and its actual implementation, the State decided that it would replace SASI with PowerSchool in the near future. The last communication I received was a confusing seven page document dealing with what has been decided by a PowerSchool Implementation Committee as of October 7<sup>th</sup>. It is frighteningly devoid of any useful information. The State released its last updated Technology Plan draft on November 7. PowerSchool was only mentioned once in that document in the budgetary section. So far, the unknowns are massive, leaving the issue of whether or not to actually expend District resources on extensive training on SASI, which will be replaced soon. Planning for either SASI or PowerSchool at this point is like skeet shooting blindfolded while walking barefooted on hot coals.

**Overall Evaluation:**

The technology department has done more this calendar year than in its previous years combined. This was done mostly because of necessity. However, the one amazing fact that has shown forth throughout this migration process is that the network backbone has remained remarkably stable. With the exception of downtime during the actual move from the downtown Annex building to 221 Bulldog Road, the network has proven to be exceptionally resilient. Security is now within acceptable parameters, the hardware equipment is now housed in a friendly temperature and humidity environment, and all that remains is a rather impressive list of niggling glitches.

Our goal is to return this department eventually to its pre-migration ease of 'customer service'.

## **MCSD Individual School Tech Plans**

On October 7, 2008, schools were invited to create their own individual tech plan. Schools needed to address six principle areas of concern within their plan:

1. A complete inventory of computers
2. A plan to replenish aging computers which are targeted via the inventory
3. Specific items to be acquired
4. Goals toward teacher training
5. Plans to integrate curriculum, standards, and technology
6. Evaluation of software used by school

A partial text of the email announcing this invitation follows below.

Each school should have a basic technology plan which outlines its current inventory of computers, a plan to replenish aging computers, specific items to be acquired other than computers—such as interactive boards, goals toward teacher training, plans to integrate curriculum, standards, and technology, and an evaluation of software used by the school.

The District Plan, as outlined below, specifically lays out the expectations for a school-wide tech plan's outline and contents. There are only six required areas. A school may feel free to add other areas of concern unique to its situation.

The procedures and time line are as follows:

- Each school should form a technology committee. The committee should be kept small—between three to five people. The media specialist, the tech contact(s), teachers, and a member of the principal team should be high on each school's list as members. Each school should have a tech committee formed by September 29. A list of each school's committee members should be sent to David DeWeese by September 30.
- A complete technology inventory must be performed before the first committee meeting. This inventory should include computers (peripherals such as keyboards, mice, monitors, speakers, etc. do not have to be included unless the school decides it is necessary), printers costing more than five hundred dollars (this would only include some laser printers), and specialty items such as interactive boards and LCD projectors. This technology inventory should be completed on an Excel spreadsheet, before the first technology committee meeting, completed and sent to David DeWeese by October 31.
- The actual technology plan should be completed and sent to David DeWeese for approval by January 23rd. Each school will be notified of approval status by January 30th. If there are any problems with a school's technology plan, these problems must be addressed and the edited technology plan returned to David DeWeese by February 12.

Examples of individual school tech plans are on the following pages.

# Bennettsville Elementary School

## Technology Plan 2008-2012



Principal: Parnell Miles  
Assistant Principal: Toma Dees  
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Bennettsville, S.C. 29512  
Phone: 843-479-5938  
Fax: 843-479-1532

<http://bes.marlbورو.k12.sc.us/home.aspx>

Contact: [canderson@marlbورو.k12.sc.us](mailto:canderson@marlbورو.k12.sc.us)

# School Profile

Number of third graders enrolled .....	163
Number of fourth graders enrolled .....	148
Number of fifth graders enrolled .....	169
<b>Total number of students .....</b>	<b>470</b>

Number of students eligible for free lunch .....	378
Number of students eligible for reduced lunch .....	40
Number of students pay full price for lunch .....	52
<b>Total number of students .....</b>	<b>470</b>

## Acknowledgements

In an effort to further the understanding of technology in today's world, the following individuals gave of their time and energy to develop this technology plan for the students and teachers of Bennettsville Elementary.

Parnell Miles ..... Principal

Toma Dees ..... Assistant Principal

Debbie Polston ..... Media Center Specialist

Connie Anderson ..... School Technology Coordinator

## **District Mission Statement**

The mission of the School District of Marlboro County is to develop productive citizens who are life long learners by providing a highly qualified staff and an effective instructional program in a safe and positive learning environment.

## **School Mission Statement**

The mission of the teachers and staff at Bennettsville Elementary School, with the assistance of the community and parents, is to prepare our students for the future by guiding them to reach their fullest potential. To do this, our staff, families, and community work to provide interesting, challenging educational experiences. Through academics and the arts, we enhance physical, social, emotional, and intellectual needs of our children. When caring people work together, all students will achieve.

## **Marlboro County Technology Services Department Mission Statement**

The mission of the School District of Marlboro county Technology Services Department is to provide and maintain a technical infrastructure and provide necessary training so

that technology of all types and levels can be used to assist students in becoming a successful part of our global future.

## **School Technology Mission Statement**

The technology mission of Bennettsville Elementary School is to aid our students and teachers in becoming skilled and knowledgeable in using technology in all its forms as information resources. We foresee technology components as a common item in homes, schools, and businesses. There is great need for educators, students, and parents to be trained in the application of technology. Our school will work to improve a more computer literate population. Technological equipment and access to network resources will create a new environment where teachers, students, parents, and business can take part in the expansion of the human minds.

## **Vision Statement Office of Technology**

Educational technology will be used to bridge equity gaps among our diverse student population by:

- Enabling the curriculum to be fully integrated
- Allowing for global experiences and learning
- Providing an outlet for higher order thinking and reasoning skills
- Allowing our students to become competitive in the job market

# **Vision Statement**

## **Bennettsville Elementary School**

Bennettsville Elementary will promote the use of technology as a tool to promote educational excellence. The school will encourage the best methods and practices and will create an educational environment in which

- Students and teachers use computer technology easily and without fear, as a tool for gaining and applying knowledge.
- Computer technology is used to broaden horizons, recognize and appreciate diversity, and to facilitate contact across communities and cultures.
- Teachers have the resources, time and training they need to serve as models for the effective and ethical use of technology.
- Computer technology is well integrated into the entire curriculum.
- Technology is readily and equally accessible to all students and teachers.
- Students understand the practical applications of technology.
- Computer technology extends beyond the school's walls to reinforce connections with homes businesses and other community facilities

## **Vision Rationale**

Bennettsville Elementary School believes that to educate for the future means to teach students "How to Learn". Students must be able to adapt to a rapidly changing environment and must see themselves as continual learners who know how and where to access, analyze, and present information. With nearly instantaneous global communications, the quantity of information multiplying, and rapidly developing technology, the adults of the future will have to be flexible, and be able to solve problems not even imagined when they were in school. The school believes that technology has the potential to promote this vision. Technology is viewed not as replacement for teachers but as a powerful tool that teachers can use to engage the intellect of students. The school recognizes that the purchase of hardware and software and building facilities is not enough. We must provide ongoing training and professional development, which is geared towards the specific and individuals, needs of the current and future faculty of our school.



## **GOALS:**

- 1. To continually update our technology plans in order to meet and exceed all district criteria. The plan will serve as a tool to guide future technology expenditures, develop curriculum goals, plan professional development, and outline budgetary requirements. In addition the plan will satisfy eligibility requirements for available funding. Assessment of our telecommunications services, hardware, software and other services that is completed as part of our annual budget setting process. This assessment will enable cost effective technology access with the goal of improved student learning.**
- 2. To purchase and provide instruction in the use and application of software resources appropriate to a 3 - 5 setting. Emphasis will be placed on classroom integration. This will be facilitated by more joint planning time of technology and regular teaching staff.**
- 3. Every effort will be made to continually enhance technology use and technology literacy of teachers and students. Increasing access of appropriate equipment and software to students and teachers will facilitate this. The access to equipment and software will be supported by ongoing professional development of teachers and student learning opportunities.**

## **Staff Development**

- Establish partnerships for identifying and delivering effective technology training to assist educators as they help students achieve high academic standards (i.e., staff demonstrates technology accomplishments during a bi-annual, room based, interactive technology exchange).**
- Pursue active faculty collaboration on major technology projects such as; school website, presentations (PowerPoint), interactive/multi-media software (interwrite board/promethean board), and/or other licensed software.**
- Administer grant programs and financial assistance initiatives that support implementation of educational technology integration.**

- Establish and maintain instructional technologists to support teachers in their implementation of various classroom technologies and help coordinate major technology projects.
- Teachers will participate in in-services and staff development classes to enhance their technological communication skills.

## **ACCOUNTABILITY**

**Teachers:** To assess the value that information technology adds to teaching and learning environments, our teachers will:

1. Gather, analyze, and share with the community projects displaying student use and understanding of technology.
2. Document integration of technology in development, execution, and sharing of curriculum planning units.
3. Showcase technology use during bi-annual, classroom based technology exchanges.
4. Teachers will use available electronic tools (ie. email, school website, teacher page on website) to communicate with their student/parents when applicable.

**B.E.S. Technology Committee:** Ensure that the school technology plan is consistent with the Marlboro County School District technology plan.

# **Evaluation of Software**

## **Software currently in use:**

- a. Mavis Beacon, Micrograms of various titles, Carmen San Diego of various titles, Jump Start of various grade levels, etc. – all of these are on disks and are being used in our computer lab. With the exception of Micrograms, most of these are becoming outdated.
- b. Compass Learning and Renaissance Place (Accelerated Reading and Math) – Both are excellent programs geared toward differentiated student instruction. Expected use would be 100% of students on a weekly basis.
- c. Echalk is utilized through the Media Center with the help of the Media Specialist.
- d. Fast ForWord is being utilized in one of the computer labs currently for 50 third grade students. This program has been purchased through the school. The only yearly cost is for customer support and detailed individual scoring. The plan for this is to expand the program and involve more students in order to improve reading abilities.

## **Software Recommendations:**

- a. Keyboarding software – Our current software is on disk and we would like to go to a server based program in order that up-dates could be downloaded.
- b. Subject specific – It would be nice to have subject specific software available in the lab to reinforce what is being taught in the classroom.

- c. Tutorial – Individualized tutorial software for reading and math would be great for those who are struggling.
- d. Special Education – Software is needed for some of the students who are in self-contained classes.

## **School Plan**

### **1. Teacher Technology Proficiency :**

- a. Train all teachers to use available technologies by way of district or school based training.
- b. Principal will allow more time during school hours for teacher/student technology training.
- c. Encourage teachers to take technology courses offered by the community/district/state/etc.
- d. Utilize faculty/staff located in the school to train the teachers to be technologically sufficient.
- e. All teachers should be categorized as Technology Proficient after the first semester of school.

### **2. Student Technology Proficiency:**

- a. All students will continue to learn to use safe computer practices.
- b. All students will continue to use the computer to supplement and enhance curriculum studies and problem solving skills in math, language arts, science, and social studies.
- c. Students in grades three through five will continue work on keyboarding skills.
- d. Students in grades three through five will continue to demonstrate knowledge of the function of the physical components of a computer system.

- e. Students in grades four and five will continue learning to make multimedia presentations using Microsoft PowerPoint.
- f. Students in grade three will begin learning to make multimedia presentations by learning to use Microsoft PowerPoint.
- g. Teachers in all grades will use the internet to expand teaching units by providing pictures, sounds, and text.
- h. Students in fourth and fifth grade will have preplanned lessons to research and use problem solving skills to locate and use information on the internet.
- i. Students in fourth and fifth grade will become involved in individual research in their own areas of interest using the internet. Teachers and the Media Specialist will assist in locating desired information for the student projects.
- j. With assistance from the Media Specialist, students will learn how to email and have their own mailboxes, use Kidspiration, form PowerPoint presentations, do research projects, and make presentations through the use of various technologies.

### **3. Hardware and Software purchases:**

- a. District normally controls the purchase of servers; however, items such as computers, printers, etc. will be placed in the budget to replenish as necessary and/or possible.
- b. New software purchases will be researched and prices compared before presented for purchase with emphasis placed on free software when available.

### **4. White Board and other technology purchases:**

- a. The purchasing of Interwrite boards and other technologies that will enhance student learning will be top priority.
- b. These types of technologies need to be expanded and as part of the technology plan must be implemented into the school budget.

### **5. Integrating curriculum, Standards, and Technology:**

- a. In an effort to integrate the curriculum and standards into the classrooms, teachers will be trained during school time, staff development, etc. on ways this can be done effectively.

- b. Media Specialists will have a sign-up sheet for those teachers who would like to work with her to provide a technology unit to their students. The Media Specialist will have a list of information that must be provided for her of the unit teachers are interested in, teachers must sign up for the Media Center, and they must assist in the instructional process.**

# **Marlboro County High School**

## **Technology Plan 2009 – 2013**

Marlboro County High School  
951 Fayetteville Avenue Extension  
Bennettsville, SC 29512  
843.479.5900

Mr. Kenneth Bowen, Principal  
<http://mhs.marlboro.k12.sc.us>

## **OBJECTIVES:**

***Objective One: The school will provide reliable technology.***

### **Section I: Computer Inventory**

The table below is a summary of computers and other peripherals. An itemized list including service tag and serial numbers is attached (Appendix A).

<b>Equipment Type</b>	<b>Total Number</b>
CPUs – Ash Hall	166
CPUs – B Hall	63
CPUs – C Hall	12
CPUs – D Hall	97
CPUs – Media Center, E Hall, and Front Offices	84
LCD Projectors	24
InterWrite Boards	2
InterWrite Handhelds	8
InterWrite PRS	2
Promethean Board	1
SMART Board	1
Laser Printers	12
Document Cameras	10
Digital Cameras	7
Poster Maker	1

### **Section II: Computer Upgrading Procedures**

- A. Computer labs on Ash Hall will be replaced every three years on a rotational basis - two labs per year.
  - a. Total projected cost: 50 desktops @ \$900.59 each – \$45,029.50
    - i. Funding Source: State and Local Funds, Federal Funds (Perkins)
- B. Computers removed from Ash Hall will be used in other locations of the school to replace older systems based on age and model number.
- C. When possible, computers removed from Ash Hall will be used to increase the number of computers available for student use in classrooms.
- D. New computers will be purchased for the Media Center every three years.
  - a. Total projected cost: 15 desktops @ \$900.59 each - \$13,508.85
    - i. Funding Source: State and Local Funds, ATA Funds (or its equivalent), Possible Grants
- E. Computers removed from the Media Center will be used in other locations of the school to replace older systems based on age and model number.
- F. When possible, computers removed from the Media Center will be used to increase the number of computers available for student use in classrooms.
- G. New computers will be purchased for Administrative staff and clerical personnel as needed based on available funding.
  - a. Projected cost per unit: \$900.59



### **Section III: New Acquisitions Planned**

- A. Teacher Mini-lab located in the Conference Room of the Media Center
  - a. Projected costs: \$13,149.84 (Quotes include wiring, 10 desktop computers, laser printer with extra ink cartridges, and furniture)
    - i. Funding Source: ATA Funds
- B. Ceiling mounts for LCD projectors will be installed in all classrooms on Ash Hall.
  - a. Projected cost per classroom: \$375.00 (price includes ceiling mount, audio, and installation) 15 classrooms - \$5,625.00
    - i. Funding Source: State and Local Funds, Federal Funds (Perkins)
- C. LCD projectors will be installed in all classrooms on Ash Hall.
  - a. Projected cost per classroom: 15 classrooms @ \$600.00 each - \$9,000.00
    - i. Funding Source: State and Local Funds, Federal Funds (Perkins)
- D. 7 mobile InterWrite Boards will be purchased for Ash Hall with remaining classrooms to be equipped as funds become available.
  - a. Projected cost: \$1900 each (including mobile frame) - \$13,300.00
    - i. Funding Source: State and Local Funds, Federal Funds (Perkins)
- E. MCHS anticipates the donation of Promethean boards from a donor within the next 24 months. Those boards will be divided equally among the core subjects: Math, English, Science, and Social Studies. Specific classroom installations will be determined at time of acquisition.
- F. At least 15% of ATA Funds (or its equivalent) will be designated solely for the purchase of technology.
  - a. These items will be purchased based on funds available and in the following order of acquisition:
    - i. Ceiling mounted projectors in all classrooms on B, C, D and E Halls
      - 1. Projected cost of each including LCD projector, mount, audio, and installation - \$975.00
    - ii. Laptops for all certified teachers
      - 1. Projected cost of each: \$1,204.47
    - iii. Interactive white boards in all classrooms on B, C, D and E Halls –
      - 1. Projected cost of each: \$1,500.00
    - iv. Mobile wireless laptop cart
      - 1. Projected cost: \$30,000.00

### **Section IV: Software Evaluations**

- A. LANVisor will be installed on computers in the Media Center as well as any computer labs and/or mini-labs upon request.
- B. SynchronEyes™ classroom management software will be purchased for the Career and Technology Education classrooms.
  - a. Price quote yet to be determined
    - i. Funding Source: State and Local Funds, Federal Funds (Perkins)

### **Section V: Personnel**

- A. The school will have a Tech Contact to serve as the first point of contact for technology repairs and installations.
- B. A full time technician will be on site.

***Objective Two: Teachers will use technology effectively to help students achieve high academic standards.***

**Section VI: Curriculum, Standards, and Technology Integration**

- A. Local curriculum based on state content standards for high academic achievement will be implemented with an emphasis on the integration of ISTE standards.
- B. Lesson plans will demonstrate the integration of technology and curriculum standards for enhanced student learning.
- C. Selected teachers will provide mini-demonstrations on integrating technology into their classrooms during staff development days.
- D. *Curriculator* will be implemented and used by all classroom teachers to monitor which standards have been met and which need more attention. The program will allow administrators the ability to determine which technologies and content are being used throughout the school.
  - a. Program to be funded by the district.

***Objective Three: The school will assure proper training for faculty and staff.***

**Section VII: Professional Development**

- A. A minimum of one Professional Development activity will be provided during each school year. Planned activities must focus on new software or hardware readily available.
- B. Teachers seeking re-certification credits will be given the opportunity to receive credits through technology-driven observations, teacher class pages, and/or course credits.
- C. The Library Media Specialist will provide training as needed in the use of new software and equipment for students and faculty.

***Objective Four: The Technology Development Plan will be implemented and evaluated for effectiveness.***

**Section VIII: Technology Plan Evaluation**

- A. A checklist (attached) will be used to monitor objectives achieved.

### Technology Plan Evaluation Checklist

Goal/Strategy	Accomplished	Not Accomplished
Purchase Ash Hall CPUs	<input type="checkbox"/>	<input type="checkbox"/>
Replace older systems school-wide	<input type="checkbox"/>	<input type="checkbox"/>
Increase the number of student computers in classrooms	<input type="checkbox"/>	<input type="checkbox"/>
Purchase new computers for Media Center	<input type="checkbox"/>	<input type="checkbox"/>
Upgrade administrative/clerical computers	<input type="checkbox"/>	<input type="checkbox"/>
Install a Teacher Mini-lab in the Media Center	<input type="checkbox"/>	<input type="checkbox"/>
Install ceiling-mounted projectors on Ash Hall	<input type="checkbox"/>	<input type="checkbox"/>
Purchase InterWrite boards for Ash Hall	<input type="checkbox"/>	<input type="checkbox"/>
Install donated Promethean boards	<input type="checkbox"/>	<input type="checkbox"/>
Install ceiling mounted projectors in remaining classrooms	<input type="checkbox"/>	<input type="checkbox"/>
Purchase laptops for teachers	<input type="checkbox"/>	<input type="checkbox"/>
Install InterWrite boards in remaining classrooms	<input type="checkbox"/>	<input type="checkbox"/>
Purchase mobile wireless laptop cart	<input type="checkbox"/>	<input type="checkbox"/>
Install LANVisor as requested	<input type="checkbox"/>	<input type="checkbox"/>
Purchase SynchronEyes for Ash Hall	<input type="checkbox"/>	<input type="checkbox"/>
Implement <i>Curriculator</i>	<input type="checkbox"/>	<input type="checkbox"/>
Monitor lesson plans for Technology Content	<input type="checkbox"/>	<input type="checkbox"/>
Provide Staff Development for new and existing technologies	<input type="checkbox"/>	<input type="checkbox"/>
Employ a full time technician	<input type="checkbox"/>	<input type="checkbox"/>

**MCHS Technology Committee**

Carl Ransom – Administrator  
Wycillia Brown – Career and Technology Education  
Jerry Melton – Social Studies  
Teresa Reid – Tech Contact and Library Media Specialist  
Elizabeth Young - Social Studies

Input from all MCHS certified teachers was used to prepare the 2009 – 2013 Technology Plan. Information was gathered through an electronic survey. Copy of survey is below.

Technology Plan 2009 - 2013  
Teacher Input Survey

Complete the survey below and return to Teresa Reid **via e-mail** no later than Friday, December 12, 2008. This survey does not guarantee that all requests will be met, but it is the goal of MCHS to make available to teachers and students a technology-rich learning environment.

1. Please list below the types of technology that are necessities for your classroom in order for you to fully integrate curriculum, standards, and technology. (This should be a wish list if money was no object.) Do **not** list audio-visual equipment such as TVs, VCRs, etc. Think beyond today. What is your vision for a classroom of the future?

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2. If you were provided the item(s) you have listed above, how would those items be used to teach content standards? Justify why you need these items.

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3. How could your content area be revised to ensure the integration and implementation of technology?

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# **Marlboro County School of Discovery Technology Plan**

**Submitted January 8, 2009**

**School Technology Committee Members:**

**Nicole Gullledge  
Rena Smith  
Patti McColl  
Dane Sorensen  
Jack Swann, Jr.**

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### **Mission Statement**

The mission of the Marlboro County School of Discovery is to prepare students to discover, appreciate, and apply concepts in a rapidly changing world. Our diverse

and knowledgeable staff will deliver innovative, comprehensive curriculum in a safe, stimulating, and non-threatening environment.

## **Vision**

In keeping with our mission, Marlboro County School of Discovery is committed to implementing the following by June 2008:

- Provide teachers with access to technology for communicating and developing student instructional programs that are developmentally appropriate and which promote life-long use of technology.
- Provide opportunities for the integration of technology into all areas of the curriculum to enhance teaching and learning.
- Provide staff development opportunities for the integration of technology into all areas of the curriculum to enhance the delivery of instruction and student learning.

## **Goals**

1. To provide effective student learning through a collaboration between core teachers and the computer teacher in areas of curriculum integration and support.
2. To ensure that all students at Marlboro County School of Discovery have equal access to opportunities in technology.
3. To provide up to date, relevant software, hardware and Internet opportunities to meet the needs of all learners.
4. To ensure ongoing administrative commitment for effective learning opportunities for all students.
5. To involve parents and community members in the development and support of the School of Discovery technology plans, policies, and program assessment.

## **Needs Assessment**

1. Update hardware and software in the existing computer lab, including anti-plagiarism and computer lab monitoring software.

2. Provide additional printers (and upgrade current computer lab printer) for the computer lab, creative writing lab, and classrooms.
3. Continue to provide remediation software in order to enhance learning and improve test scores (Compass learning, Renaissance Learning).
4. Continue to use older generation computers in classrooms in order to improve the student-computer ratio.
5. Replace aging computers with Windows XP or Windows Vista machines with CD and DVD burning capabilities.
6. Provide televisions, DVD, and VCR players for all teachers.
7. Provide 3 camcorders, 6 digital cameras (enough for a class divided into groups of 4), and 2 LCD projectors for the school.
8. Provide a class set of digital drawing tables.
9. Provide closed circuit television access for all classrooms.
10. Provide Interwrite Boards for all classrooms and the computer lab.
11. Continue to improve communication between the school, parents and the community through the use of e-mails and the posting of pertinent information on the School of Discovery website.

## **Infrastructure Plan**

The infrastructure plan encompasses both telecommunication and information technology

### **Telecommunication Goals and Strategies:**



- Continue to provide existing high-bandwidth data communication links to the Internet for video conferencing and streaming video and add new ones with growing bandwidth requirements.

#### Information Technology Goals and Strategies:

- Ensure adequate access to computers for all students and staff.
- Ensure obsolete hardware and software is end-of-lived/or upgraded.
- Increase responsiveness for technical support and problem resolution.
- Continue to support technology curriculum and student multimedia projects.
- Upgrade all current desktop systems to technology to Windows XP or newer and create a process to continue this policy into the future.
- Provide adequate printing capabilities for each classroom.
- Support teachers in developing their own Internet web pages containing links to materials and lessons, which can be shared with parents, other educators and the students.

### Curriculum Plan

The computer technology instructor works with core teachers so that students will learn technology skills they will integrate with other curricular areas. Close cooperation by instructors is used to deliver technology instruction in conjunction with student assignments, such as reports for social studies and science, math, and language arts. Learning Internet search skills in order to access precise information for various reports and projects is an example of this approach.

The School of Discovery is committed to making this program successful and expanding it over the next several years. Not only are the students gaining valuable technological skills, they also get high level reasoning, critical thinking, and content acquisition and application, which combine to make for a deeper learning experience. In addition, teachers are motivated to improve technology skills to remain current with what their students are learning. The goals listed below apply to the technology curriculum as well as the regular core curriculum.

### Curriculum Goals:

- Continue to provide dedicated computer instructional staff, equipment, and support.
- Continue to provide direct instruction in technology to all students.
- Ensure integration of technology skills instruction and usage with the rest of the curriculum where appropriate.

### Integration Goals:

Mathematics – spreadsheet skills for budget, dedicated websites and software for math instruction, drill, practice, and assessment. Use of Internet, obtaining on line lesson plans and materials.

Science – Use of Internet for research and webquests (interactive lessons on the Internet), teacher and educational websites for professional development, online drill and practice.

Language Arts – correctly citing the www in reports, multimedia publishing, composing and creation of web content, reading, creative and report writing, webquests on various novels, presentation software, reference citations.

Social Studies – extra credit activities on line, social studies educational games, weblinks, webquests utilizing Hyperstudio, multicultural activities, mapping, research for papers and reports, finding cultural, geographical, demographic, and other pertinent data, finding articles from journals and news sources, study political events, participation in current affairs such as “election on-line”, encyclopedia research.

Technology – search engines, “Netiquette”, copy and paste, graphics, text, sound and video from the World Wide Web and Unitedstreaming.com. Word processing and keyboarding practice, multimedia presentations, Microsoft Office, web page publishing and taking digital pictures.

Art Education – Provide students with valuable, new creative tools, such as graphic art and design software. Offer students efficient, exploratory ways to research artists, trends, and styles with the Internet’s network of library catalogs, campus information systems, directories, databases, archives, and other interactive media technology. Enable students to communicate with artists, teachers, and students around the world in online discussion groups, listserves, bulletin boards and e-mail. Provide a new way for students to document and assess their learning. Students

can -keep journals, learning to scan their artwork and photographs of others' work.

**Music and Band** – Provide music notation software for composing and arranging music. Using the free notation software Notepad with students. Using Band-In-A-Box and MIDI sequencing software for improvising melodies and accompaniments, composing and arranging music, listening to, analyzing and describing music. Using the Internet to find information on composers, musical styles and current trends in music education.

**Dance** - Provide students video capabilities to observe correct techniques, review professional performances, watch documentaries on dance, and record student performances. Use the Internet to research various dance styles and trends. Use video conferencing to communicate with dance students in other schools.

## **Staff Development Plan**

The School of Discovery realizes that staff development is crucial to accomplishing many of the goals in previous sections. Currently staff development in technology within the district has improved as a result of the hiring of technology coaches to assist teachers in this area. The computer technology teacher at the school also assists teachers in the use of technology in the enhancement of learning in their classrooms. A considerable amount of training is still needed at the school to ensure that all staff members become computer literate. Part of the training will be devoted to general computer literacy and skill improvement and part to integration of technology within the classroom for instructional delivery, content development, and project-based learning.

### **Staff Development Goals:**

- Instruct teachers on how technology can save them time and enhance the meeting of their objectives.
- Yearly staff development needs assessment will decide each year's focus to complement the goals in this plan.
- By the year 2010, all staff will be trained in utilizing and updating individual web pages. These web pages could include classroom rules, grading policy, homework assignment, procedures, academic assistance links, and parent information.